Code         EUE303         Year of study         1.           Course teacher         Prof.dr.sc. Elza Jurun; Doc.dr.sc. Tea Šestanović         Credits (ECTS)         6           Associate teachers         Nada Ratković mag.oec.         Type of instruction (number of hours)         L         S         E           Status of the course         Obligatory         Percentage of application of e-learning         40%           Course objectives         Acquiring knowledge and skills to quantify scientific hypotheses and use of mo econometric methods and models under complex economic reality conditions           Course one objectives         Acquiring knowledge and skills to quantify scientific hypotheses and use of mo econometric methods and models under complex economic reality conditions           Course enrolment requirements and entry completences         Course signature requirements are determined by the Statute of the Faculty of Economics in Split and Rules and Regulations for Studies and Study Programm           Learning outcomes expected at the level of the course (4 to 10 learning outcomes)         1.         To formulate (specify) an econometric model           2.         To evaluate hypothesis about the existence of problems of multicolin heteroskedasticity and autocorrelation of relation errors         3.           3.         To estimate the parameters of the econometric model and its prognosti power         4.           4.         To construct (simulate) evaluation of model parameters based on a sm number of stati	F										
Course teacher         Prof.dr.sc. Elza Jurun; Doc.dr.sc.Tea Šestanović         Credits (ECTS)         6           Associate teachers         Nada Ratković mag.oec.         Type of instruction (number of hours)         L         S         E           Status of the course         Obligatory         Percentage of application of e-learning         40%           Course objectives         Acquiring knowledge and skills to quantify scientific hypotheses and use of mo econometric methods and models under complex economic reality conditions           Course enrolment requirements and entry competences required for the course         Course of the subject: To estimate the parameters of an econometric model based on the actual datata and to interpret the results obtained.           Specific learning outcomes (4 to 10 learning outcomes)         1. To formulate (specify) an econometric model and to provent the parameters of the econometric model and its prognosti power           4. To construct (simulate) evaluation of model parameters based on a sm. number of statistical indicators         5. To identify equations of the econometric model in the form of simultane equations system	F										
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Course content	arity, c all ous nomy										
detail by weakly Lectures Exercises	Exercises										
class schedule Topic Hour (syllabus) Topic s	Hour s										
Introduction to Econometrics 2 Fundamental econometric postulates	2										
Specification of the econometrics modelMethods and techniques of the econometrics model specification	2										
Estimating of the econometric model 2 Methods and techniques of the simple linear econometric model estimation	2										
Testing of the hypothesis about desirable regression parameters characteristics and model as the wholeTesting of the hypothesis about desirable regression parameters characteristics and about prognostic power of the model	2										
Monte Carlo simulations     3     Monte Carlo simulations											

	Estimating methods for multiple linear regression model			2	Est tec reg	Estimating methods and techniques for multiple linear regression model			2
	Modeling with specific independent variables			2	Art Sto Ap var	ificial va ochastic proxima iables.	ariables. regressor variables ite and instrumenta Variable with mistal	I ke.	2
	Problem of he multicollinarity autocorrelatio errors	eterosceda / and n of the re	asticity, elation	4	Te: mu for De het det aut elir	sting an ilticolline removin tection terosced thods for terosced tection of tocorrela	d detection of the earity problem. Mething multicollinarity and testing of dasticity problems. or removing dasticity. Testing an of relation errors ation. Methods of g autocorrelation.	hods	4
	Econometric model in the form of the simultaneous equations system			2	Pro ide sys	Problems and methods of identification of the simultaneous system equations			2
	Problems and methods of identification and estimation of the simultaneous system equations Basic applied econometrics postulates Selected applied econometric models			1	Ch sin est	Choice and application of the simultaneous system equations estimation			1
				2	Application of econometric methods and techniques in the specific areas of the economy			2	
				2	Sp mo apj	Specifications of the econometric models for the concrete practical applications			2
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars and workshops</li> <li>☑ exercises</li> <li>□ on line in entirety</li> <li>☑ mix e-learning</li> <li>□ field work</li> </ul>				<ul> <li>independent assignments</li> <li>multimedia</li> <li>laboratory</li> <li>work with mentor</li> <li>(other)</li> </ul>				
Student responsibilities	Students are required to attend min. 70% of the teaching and participate actively in it. This is the condition for obtaining the signature without which the student cannot access the written part of the exam. Students are required to actively participate in classes. Students' activity will be monitored through self-evaluation tests that will be available to students on the course websites within the Moodle platform. The condition for taking the exam is a signature.						ely in nnot e in vill be		
Screening student	Class	2	Research	<u>–</u>			Practical training		
proportion of ECTS credits for each	attendance         Z         Report           Experimental work         Report						(Other)		

activity so that the total number of	Essay		Seminar essay		(Other)			
ECTS credits is equal to the ECTS	Tests	1,5	Oral exam	1	Self-evalutiona tests	l 0,5		
value of the course)	Written exam	1,5	Project		(Other)			
Grading and evaluating student work in class and at the final exam	Exam is written and oral. Positively evaluated written exam is precondition for approaching the oral part of the exam. * Written exam can be passed through two tests during classes or in regular exam terms. Once the written part of the exam is passed (through tests or in regular exam terms) it is valid through the whole academic year. During the semester two tests will be organized. Each test brings 20 points. It is considered that a student passed the written exam through tests if he has at least 10 points per each of the two test. The oral exam starts with extracting three question. It is needed to give correct answer for all three questions. The mark on oral exam is primarily confirmation of the mark from the written exam. Key points and appropriate grades for written exam: 0-49 inadequate (1) 50-65 sufficient (2) 66-75 good (3) 76-85 very good (4) 86-100 excellent (5)							
Required literature		-	<b>Fitle</b>		Number of copies in the library	Availability via other media		
(available in the	Gujarati D.& Porter C. : Basic Econometrics, 5th Ed.,							
library and via other	Mc Graw Hill. 2	019.						
library and via other media)	Mc Graw Hill, 2 Teachers' hand preparation of r (available on th	019. outs and nid-term e e Mooodl	other on-line m exams and fina e).	naterials for I exams		Moodle		
library and via other media)	Mc Graw Hill, 2 Teachers' hand preparation of r (available on th Newbold P. et a Education, Prer Articles:	019. louts and nid-term e e Mooodl al.: Statist ntice Hall,	other on-line m exams and fina e). ics for Busines Upper Saddle liević L: <b>A clu</b> s	naterials for I exams s and Econor River, NY, 20	nics, 9 <sup>th</sup> Ed., Pe 019.	Moodle earson		
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library and via other media) Optional literature (at the time of submission of study programme proposal) Quality assurance methods that ensure the acquisition of exit competences	Mc Graw Hill, 2 Teachers' hand preparation of r (available on th Newbold P. et a Education, Prer Articles: Jurun, E., Ratko <i>base for an act</i> Volume 8, 2017 Zagreb, str.2217 Jurun, E., Ratko New Financia Operational Re 6165-50-1 Registering stud (lecturer). Monitoring lectu Students' Perfo Student questio (University of S Examination is	019. outs and nid-term e e Mooodl al.: Statist ntice Hall, ović N., U ive demog 7. Numbe -236. ović N., 1 <i>ive demog</i> 7. Numbe -236. ović N., 1 <i>ive demog</i> 7. Numbe -236. ović N., 1 ive demog dents' atte ures and p rmance a onnaire or plit, Quali	other on-line m exams and fina e). ics for Busines Upper Saddle Ujević I.: <i>A clus</i> graphic poilcy; r 1, Croatian O Matić I.: <i>Perio</i> <i>rd</i> , Proceeding OR'17, Bled, S endance and su practice session nalysis in each of the quality of ty Assurance O an instrument to	naterials for l exams s and Econor River, NY, 20 ster analysis Croatian Op perational Re odic Average s of the 14t Blovenia, 201 uccess in car ns (Vice Deal course (Vice lecturers and Centre)	mics, 9 <sup>th</sup> Ed., Pe D19. of <i>Croatian cou</i> erational Resera esearch Society, <i>National Refer</i> h International 7. str.409-414. rying out of their n for Education) e Dean for Educa lessons for eac	Moodle earson enties as the urch Review, Osijek, Split, rence Rate as a Symposium on ISBN 978-961- r duties ation). h course		

Other (as the	The course is taught in Croatian.
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add)	